

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) A microwave oven comprising:
 - a main cabinet having a plurality of air inlet openings and a plurality of air outlet openings, for accommodating and protecting various components;
 - an inner case provided in an upper space of the main cabinet to form a cooking chamber therein, the inner case having a plurality of inlet holes and outlet holes;
 - an outfit chamber in a rear part of a lower space of the main cabinet for fitting electronic components therein;
 - an inverter part in a front part of a lower space of the main cabinet;
 - a magnetron part in a side space of the main cabinet;
 - partition plates for separating a space for the inverter part, a space of the outfit chamber, and a space for the magnetron, respectively; and
 - a single fan device in a part in contact with the spaces in common for circulating external air to the spaces in the main cabinet.

2. (Original) The microwave oven as claimed in claim 1, wherein the air inlet openings are formed in a bottom surface, and a rear surface of a rear part of the main cabinet.

3. (Original) The microwave oven as claimed in claim 2, wherein the air inlet openings are in communication with the outfit chamber.

4. (Original) The microwave oven as claimed in claim 3, wherein the air inlet openings are a plurality of slits.

5. (Original) The microwave oven as claimed in claim 1, wherein the air outlet openings are formed in a rear surface of the main cabinet.

6. (Original) The microwave oven as claimed in claim 5, wherein the air outlet openings are formed adjacent to the outlet holes in the inner case.

7. (Original) The microwave oven as claimed in claim 6, further comprising a frame between the rear surface of the main cabinet and the inner case for prevention of re-introduction of the air passed through the outlet holes into an inside of the main cabinet.

8. (Original) The microwave oven as claimed in claim 1, wherein the air outlet openings are formed in a side surface of the main cabinet.

9. (Currently Amended) The microwave oven as claimed in claim 1 ~~10~~, wherein the air outlet openings are formed to be in communication with the inverter part.

10. (Original) The microwave oven as claimed in claim 1, wherein the air outlet openings are formed in a side surface of front part of the main cabinet.

11. (Original) The microwave oven as claimed in claim 1, wherein the inlet holes in the inner case are formed to be in communication with the space for the magnetron part.

12. (Original) The microwave oven as claimed in claim 11, wherein the inlet holes in the inner case are formed in a side wall surface of the inner case adjacent to the space for the magnetron part.

13. (Original) The microwave oven as claimed in claim 1, wherein the inner case further includes supplementary outlet holes in an upper surface of the inner case.

14. (Currently Amended) The microwave oven as claimed in claim 13 9, further comprising air outlet openings in an upper surface of rear part of the main cabinet for discharging the air discharged through the supplementary outlet holes.

15. (Currently Amended) The microwave oven as claimed in claim 1, further comprising a frame projected from a bottom circumference of the inner case [[,]] and configured to horizontally separate a space of the main cabinet into a lower space and an upper space, ~~horizontally~~.

16. (Original) The microwave oven as claimed in claim 15, wherein the frame has an opening in a part adjacent to the inlet holes in the inner case.

17. (Currently Amended) The microwave oven as claimed in claim 1, further comprising a frame projected from a top circumference of the inner case to form a space between the main cabinet and the inner case, ~~additionally~~.

18. (Original) The microwave oven as claimed in claim 12, further comprising a lamp part in a part the inlet holes are formed therein for illuminating an inside of the inner case.

19. (Currently Amended) The microwave oven as claimed in claim 18, wherein the lamp part includes[[,]]:

a lamp[[,]]; and

a holder for holding the lamp and guiding the air to the inlet holes.

20. (Original) The microwave oven as claimed in claim 1, further comprising a sensor part provided to the outlet holes for detecting a moisture content of outlet air.

21. (Currently Amended) The microwave oven as claimed in claim 1, wherein the magnetron part includes[[,]]:

a magnetron for emitting a microwave[[,]]; and

a housing projected toward a side surface of the main cabinet for protecting the magnetron and separating a side space of the main cabinet into a front space in communication with the inlet holes in the inner case and a rear space.

22. (Original) The microwave oven as claimed in claim 21, wherein the housing blocks a gap between a sidewall of the inner case and a sidewall of the main cabinet.

23. (Currently Amended) The microwave oven as claimed in claim 1, wherein the fan device includes[[:]];:

a fan for blowing air to the space for the inverter part and the space for the magnetron at the same time[[:]]; and

a fan motor for driving the fan.

24. (Original) The microwave oven as claimed in claim 23, wherein the fan is located in a rear part of the lower space of the main cabinet.

25. (Original) The microwave oven as claimed in claim 23, wherein the fan blows air both to the space for the inverter and the space for magnetron, partially.

26. (Currently Amended) The microwave oven as claimed in claim 1, wherein the partition plates include[[:]]:

a first partition plate provided in a width direction to separate the space for the inverter part and the space of the outfit chamber[[:]]; and

a second partition plate provided in a length direction ~~for~~ to partition the space for the magnetron.

27. (Original) The microwave oven as claimed in claim 26, wherein the partition plates further include a third partition plate provided in parallel to the first partition plate for forming an air passage to the space for the inverter part.

28. (Currently Amended) The microwave oven as claimed in claim 26, wherein the fan is provided ~~to a part~~ proximate an area where the first and second partition plates cross.

29. (Original) The microwave oven as claimed in claim 26, further comprising a flow guide formed in the space for the inverter part for guiding an air flow.

30. (Original) The microwave oven as claimed in claim 29, wherein an air discharge passage from the inverter part includes air outlet openings in a bottom surface of a front part of the main cabinet, and the flow guide is sloped for guiding air flow to the air outlet openings.

31. (Original) The microwave oven as claimed in claim 30, wherein the flow guide has a predetermined curvature.

32. (Original) The microwave oven as claimed in claim 31, wherein a plurality of flow guides are provided.

33. (Original) The microwave oven as claimed in claim 32, wherein the flow guides have different heights.

34. (Currently Amended) The microwave oven as claimed in claim 33, wherein the heights of the flow guides become the lower as ~~it goes the farther toward a side~~ they approach an area proximate the inverter part ~~is provided~~.

35. (Original) The microwave oven as claimed in claim 34, wherein the air discharge passage from the inverter part further includes air outlet openings in a side surface of a front part of the main cabinet.